

- a. Title: Man-Made Culture Interpretation and Culture Revision of Small-Scale Maps

ERTS-1 Proposal No. SR 237

- b. GSFC ID No. of P.I.: IN 419

- c. Statement and explanation of any problems that are impeding the progress of the investigation:

The image and feature visibility factor on the 70 mm bulk negatives is poor (in contrast to the 9-inch enlargements), apparently due to the black density of the image area. Image and feature visibility is vital to this experiment. The failure of the RBV system is cause for concern.

- d. Discussion of the accomplishments during the reporting period and those planned for the next reporting period:

Images covering the West Coast segment of this experiment have been examined at enlargement factors of 1:1,000,000, 1:500,000, and 1:250,000 scales to assess photo interpretation quality.

One RBV frame (1003 18175 Band 3) of 70 mm bulk imagery has been evaluated for geometric distortion. Preliminary evaluation indicates that this distortion is less than expected and RBV images properly scaled and rectified to control may be suitable for map scales as large as 1:250,000.

In the future the MSS imagery will be evaluated in the same manner. Glass plates of the RBV image (1003 18175) have been duplicated for binocular viewing in a stereoplotter.

- e. Discussion of significant scientific results and their relationship to practical applications or operational problems including estimates of the cost benefits of any significant results (To be prepared in scientific abstract form of 200 words or less):

Not Applicable (N/A)

(E72-10098) MAN-MADE CULTURE
INTERPRETATION AND CULTURE REVISION OF
SMALL SCALE MAPS Progress Report, 1 Jul. -
31 Aug. W.J. Kosco (Geological Survey,
McLean, Va.) 1 Sep. 1972 3 p

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f. A listing of published articles, and/or papers, pre-prints, in-house reports, abstracts of talks, that were released during the reporting period:

N/A

g. Recommendation concerning practical changes in operations, additional investigative effort, correlation of effort and/or results as related to a maximum utilization of the ERTS system:

N/A

h. A listing by date of any changes in Standing Order Forms:

N/A

i. ERTS Image Descriptor forms:

N/A

j. Listing by date of any changed Data Request forms submitted to Goddard Space Flight Center/NDPF during the reporting period:

N/A

k. Status of Data Collection Platforms (if applicable):

N/A

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MAN-MADE CULTURE INTERPRETATION AND CULTURE REVISION OF SMALL-SCALE MAPS

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1 September 1972

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Prepared for:

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